

**FOR INFORMATION ONLY – SUBJECT TO CHANGE \***  
**DRAFT (7/20/01) – Comments Welcome**  
**STS and ISS Document Deliverables for WOLF Payloads**  
**GSFC OES/OSS RPO**



Line #	Deliverable	Reference Document	Due Date
1	Mission Evaluation Request (MER) Form	SSP 50200	L-36
2	Payload Phase 0/1 Flight Safety Data Packages	NSTS 1700.7 NSTS 1700.7 ISS Addendum NSTS 13830	L-34 – typical (due to JSC 45 days prior to associated safety review)
3	Payload Phase 2 Flight Safety Data Packages	NSTS 1700.7 NSTS 1700.7 ISS Addendum NSTS 13830	L-22 – typical (due to JSC 45 days prior to associated safety review)
4	Payload Phase 3 Flight Safety Data Packages	NSTS 1700.7 NSTS 1700.7 ISS Addendum NSTS 13830	L-12 – typical (due to JSC 45 days prior to associated safety review)
5	Payload Phase 0/1 Ground Safety Data Packages	KHB 1700.7	L-32 – typical (due to KSC 45 days prior to associated safety review)
6	Payload Phase 2 Ground Safety Data Packages	KHB 1700.7	L-22 – typical (due to KSC 45 days prior to associated safety review)
7	Payload Phase 3 Ground Safety Data Packages	KHB 1700.7	L-8 – typical (due to KSC 45 days prior to associated safety review)
8	Payload Integration Agreements (PIA) and Payload Integration Agreement Addenda	SSP 52000-PIH-WRP, Vol. V	L-24
9	WOLF Payload Configuration Data Sets	SSP 52000-PDS	L-22
10	Export Control Plan	SSP 50223	TBD
11	Preflight Imagery Matrix	SSP 50486	PDR
12	Software Interface Control Document (ICD)	SSP 57002	CDR
13	CoFR (Certification of Flight Readiness) inputs	SSP 52054	L-4
14	Software Quality Assurance Plan (Applicable only to ISS Interfaces)	SSP 50431	CDR
15	Payload Hardware to ISS Interface Control Document (ICD)	SSP 52000-PIH-WRP, Vol. V	L-20
16	WOLF Payload Verification Plan	SSP 52000-PIH-WRP, Vol. IV	L-20
17	WOLF Verification Data	SSP 52000-PIH-WRP, Vol V	L-20 thru L-6 See details of deliverables and schedule in reference doc.

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18	Payload EMI/EMC (Electromagnetic Interference/Electromagnetic Compatibility) Plan/Report (if applicable)	SSP 30237 SSP 30238 SSP 30243 SSP 52000-PIH-WRP, Vol. III	L-12 / L-9
19	Payload Structural Verification Plan/Report	NSTS 1700.7 and ISS Addendum NSTS 18798 SSP 52005	With associated FSDP (Flight Safety Data Package)
20	Failure Modes and Analysis	SSP 30234	PDR
21	Payload Fracture Control Plan/Report	NSTS 1700.7 and ISS Addendum NSTS 13830 NSTS 18798 NASA-STD-5003 SSP 52005	PDR / CDR
22	Payload Acoustics Control Plan (Internal Payloads Only)	SSP 52000-PIH-WRP, Vol. III	L-9
23	Payload Mechanisms Plan/Report (if applicable)	NSTS 1700.7 and ISS Addendum NSTS 18798	With associated FSDP
24	Integrated Logistics Support Plan (Internal Payloads Only)	SSP 50277	PDR
25	Microgravity Control Plan	SSP 52000-PIH-WRP, Vol. III	PDR
26	Payload Training Plan	SSP 58309	CDR
27	Payload Labeling Plan (Internal Payloads Only)	SSP 57000	CDR
28	Payload Thermal Model/Report	SSP 52000-PIH-WRP, Vol. III SSP 52000-PIH-WRP, Vol. IV	L-25 / L-18
29	Payload Contamination Control Plan	SSP 30426 SSP 57003 SSP 52000-PIH-WRP, Vol. III	PDR
30	Operational Accomplishment Report	TBD: Post Flight Reporting Guide	Completed Increment + 1 Month
31	Final Research Report	TBD: Post Flight Reporting Guide	Last Completed Mission Increment + 1 Year

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**List of Reference Documents**

KHB 1700.7 Space Shuttle Payload Ground Safety Handbook  
NASA-STD-5003: Fracture Control Requirements for Payloads using the National Space Transportation System (NSTS)  
NSTS 13830 Payload Safety Review and Data Submittal Requirements  
NSTS 1700.7 Safety Policy and Requirements for Payloads Using the Space Transportation System  
NSTS 1700.7 and ISS Addendum  
NSTS 18798: Interpretations of ISS and STS Payload Safety Requirements  
SSP 30234: Instructions for Preparation of Failure Modes and Effects Analysis and Critical Items List for Space Station  
SSP 30237: Space Station Requirements for Electromagnetic Emission and Susceptibility Requirements  
SSP 30238: Space Station Electromagnetic Techniques  
SSP 30243: Space Station requirements for Electromagnetic Compatibility  
SSP 50200: Station Program Implementation Plan (SPIP)  
SSP 50223: International Space Station Export Control Plan  
SSP 50277: Payloads Integrated Logistics Support Guidelines  
SSP 50431: Space Station Program Requirements for Payloads (applicable only to ISS interfaces)  
SSP 50486: Preflight Imagery Requirements for NASA Provided ISS Government Furnished Equipment (NASA Payloads)  
SSP 52000-PDS: Payload Data Sets Blank Book  
SSP 52000-PIH-WRP, Vol. III: Window Observational Research Facility (WOLF) Rack Interface Definition Document  
SSP 52000-PIH-WRP, Vol. IV: Window Observational Research Facility (WOLF) Rack Generic Payload Verification Plan  
SSP 52000-PIH-WRP, Vol. V: Window Observational Research Facility (WOLF) and Integration Agreement Blank Book  
SSP 52005: ISS Payload Flight Equipment and Guidelines for Safety Critical Structures  
SSP 52054: ISS Payloads Certification of Flight Readiness Implementation Plan  
SSP 57002: Payload Software ICD Template  
TBD Doc. on Payload preflight imagery planning, acquisition and submit  
Payload Integration Agreement (PIA) Data Sets:  
    1. Payload Configuration  
    2. Payload Training Requirements  
    3. Payload Planning Requirements  
    4. Ground Data Services Requirements  
    5. Payload Operations Requirements  
    6. KSC Technical Requirements  
    7. KSC Support Requirements  
    8. Extravehicular Activity Requirements  
    9. Extravehicular Robotics Requirements